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cannot but be of very great moment in the system of the universe.

I am, Gentlemen, with all possible respect,

London, Feb. 12, 1752. Your most obedient humble servant,

W. Watfon.

LXII. *A Letter from Dr. Bevis to Dr. De Castro, F. R. S. containing Extracts of Father Augustin Hallerstein's astronomical Observations made at Pekin in 1744 and 1747.*

Read March 5, 1752. **I** AM much obliged to you, Sir, for furthering F. Aug. Hallerstein's letter to me. It informs me, that the instrument I wrote the description and use of, was arrived safe at Pekin. According to that missionary's request, I have carefully looked over the observations he sent to Dr. Sanchez at Paris, to be communicated to the Royal Society through your hands. They are comparisons of all the planets with known fix'd stars taken in the Jesuit's College at Pekin, in 1746 and 1747, with a well-adjusted pendulum-clock, and a micrometer; and appear to me to have been done with judgment and accuracy

accuracy; so as, in my humble opinion, to merit the Royal Society's consideration. I am,

Dear Sir,

Feb. 18, 1751.

Your obliged and

most obedient servant,

J. Bevis.

Observationes Lunæ 1747.

JAN. 1, mane, mox a media nocte, observata occultatio reguli (Bay α Ω) aluna ut sequitur.

b	'	"			'	"
1	46	0	luna alta circ	59° capta ejus diameter	31	48
	55	29	dist. α Ω a limbo lucid. propiore lunæ		48	37
2	23	35	} distantia ejusdem ab eodem		37	25
	35	49			33	12
	49	53			27	20
3	0	10			23	18
	16	44			16	44
4	0	3	α Ω immerfit post limbum lunæ lucidum in linea recta ducta per Grimaldi medium, et Copernici limbum superiorem (situ recto) observata emerfit tubo 10 ped.			
5	15	51	α Ω emerfit de sub lunæ limb. obscuro in linea recta per limb. superiorem Grimaldi, et inferiorem Copernici (situ erecto) observata emerfit una simul tubis 10 et 5 ped.			

- 25 19 dist. α Ω a limb. remotiore lucid. lunæ 35 27
 30 12 dist. ejusdem ab eodem 37 37
 39 56 α Ω in horario
 42 23 lunæ limb. remotior lucidus in horario, erat-
 que α Ω borealior limbo austrino lunæ 34 3
 6 15 o capta rursus diameter lunæ 31 40 alta circ.
 43°.

Jan. 28. vesp. comparata luna cum stella ρ Ω , quæ
 a luna occultata fuerat, sed immersio quidem videri
 non potuit, luna post tectum templi adhucdum
 latente, itaque

- 9 29 57 emerfit stella de sub parte obscura lunæ, tum
 vero
 34 42 ρ Ω in horario
 36 40 limb. lucid. lunæ remotior ortivus in horar.
 eratque ρ borealior limbo austrino remotiore
 lunæ 29 29
 porro diameter lunæ per oblivionem non
 adnotata est.

Feb. 25, vesp. comparata luna cum Regulo five α
 Ω , quem illa quidem texerat, sed neque immersio
 visa neque emerfio, luna post tectum templi la-
 tente; simul autem ac apparuit,

- 6 42 54 α Ω in horario
 44 o margo occidentalis lunæ in horario
 45 56 macula Aristarchus in horar. australiori
 stellæ α o 12

 3 2 differentia temporar. stellæ α ab Aristarcho
 7 26 capta diameter lunæ 32 4
 42 39 α Ω in horar. accurate in eodem parallelo
 cum limbo lunæ, dum is postea circa hora-
 rium efflet
 47 28 Aristarch. in horar. austral. stella α Ω 13 6
 Cum

Cum ergo $7^{\text{h}} 47' 28''$ Aristarch. esset australior stella α Ω $13' 6''$, margo autem boreus lunæ, dum hujus centrum circa horarium esset, eundem præcise parallelum decurreret, quem decurrerat stella α Ω liquet Aristarchum margine boreo lunæ australiorem fuisse itidem $13' 6''$. Erat autem idem Aristarchus orientior margine occiduo lunæ $1' 56''$ penduli: hinc facile erit appulsum centri lunæ ad horarium eruere, habita jam diametro lunæ $32' 4''$.

Tempora quod attinet harum operationum, corrigenda sunt singula, demendo 1' 38" penduli. Totidem enim anticipâsse sequenti meridie compertum est.

Observationes astronomicæ habitæ Pekini in
Collegio S. J.

Observatio 1746.

Nov. 28 mane	5 20 49	occidentior in m	3 0
		boreali or	40 2
29	5 44 0	boreali or in m	37 36
		distabat ab eadem	37 54

Observat. 7 1746.

Jul. 13 vesp.	8	o	o	♂	occident.	ω	Ophiuc.	o	12	32
					boreali				13	33
	8	15	o		distans ab	ω			16	43
Aug. 25	8	o	o	♂	orientalior	ω	o	1	30	
					boreali				o	45
					distans ab	ω			1	57
26	7	18	o	♂	orientalior	ω	o	6	1	
					boreali				o	o
					dist.				5	28
					B b b	2			Aug.	

2 11

Q. I. N.

Observationes 8 1746.

0 21 48

Observationes ♀.

Nov.

Nov. 7	5	51	41	♀	occidentalior	φ	7	5	15	20
♀ elong. max. vesp. et borealior									13	55
8	5	54	15	♀	occidentalior	φ	7	4	23	13
♀ lat. max. aufst. et borealior									14	54
11	5	38	50	♀	occidentalior	φ	7	0	50	38
					borealior				21	5

Observatio ♀ 1746.

Dec. 10 vesp.	5	27	47	♀	occidentalior	ψ	7	6	29	49
					borealior				14	11

Sedet hæc unica observatio subdubia.

Observationes ♀ 1747.

Jan. 2 mane	3	0	8	♀	occidentalior	in	♌	2	37	56
					australior				15	33
Feb. 3 mane	1	48	20	♀	occidentalior	91	♌	2	38	41
					et borealior				12	13
4	1	9	25	♀	occidentalior	95	♌	2	38	41
					borealior				12	13
5	1	4	8	♀	occidentalior	95	♌	2	38	26
					borealior				12	46
					♀ itaque jam retrogradus					
Apr. 5 mane	4	40	29	♀	orientalior	in	♌	1	11	57
					borealior				40	9
8	4	25	34	♀	orientalior	in	♌	0	58	38
					borealior				45	20
					♀ prope ♂ ☉ cum. max. lat. bor.					
Jun. 21 vesp.	8	15	19	♀	occident.	I (74	♌)	0	18	33
					australior				28	17
					38	10	dist.		33	51
									Jun.	

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	"	"	"	"	"	"	"
Jun. 24	8	21	21	h	occidental. 74 ^m	o	18 55
					australior		29 3
25	8	47	13	h	occidentalior 74 ^m	o	18 48
					australior		29 16
					itaque directus		
Jul. 23	8	2	33	h	orientalior 74 ^m	o	20 25
					et australior		53 1

Observationes ♀ 1747.

Feb. 3 mane	6	6	48	♀	occidentalior 28	o	31 5
					et australior		31 30
					dist.		32 35
13	5	39	38	♀	occidentalior 28	o	17 47
					australior		0 58
28	5	37	26	♀	orientalior 28	o	1 23
					australior		47 5

Observationes ♂ 1747.

Jan. 5 mane	2	20	8	♂	occidentalior in m	o	24 4
					borealior		14 28
6	3	13	17	♂	occidentalior in m	o	4 31
					borealior		3 31
Feb. 15	5	43	46	♂	orientalior μ	o	6 1
					australior		11 33
					cum max. lat. boreal.		
Apr. 30 mane	3	51	1	♂	orientalior α	o	10 32
					borealior		11 22
♂ ⊙ ♂ vesper	9	9	5	♂	occidentalior α	o	5 16
					borealior		20 30
Maii 1 mane	3	55	0	♂	occidentalior α	o	12 17
					borealior		21 44
13 vesp.	8	16	24	♂	occidentalior μ	4	28 44
							Maii

Maii	13	♂	prope	68		auftralior			38	4
	16		7	44	22	♂	occidentalior	μ	5	27 54
						auftralior			26	34
Jun.	10 vesp.	8	21	17	♂	occid. λ	m		2	19 53
						auftralior			45	16
Oct.	27 vesp.	6	7	14	♂	occidentalior	λ	♀	4	39 45
						borealiior			12	18
Dec.	31 vesp.	6	7	13	♂	occident.	σ	m	0	54 8
						auftralior			6	33

Observationes 9 1747.

Jan. 8 vesp.	5	41	20 ♀	orientalior	β	♂	I	4	41
				australior				23	32
Mar. 5 mane	5	43	38 ♀	occident.	β	♂	0	13	32
				australior				22	51

Observationes § 1747.

[illegible]

Jan. 26	6 26 35 ⁸	occidentalior ω γ	o 26 49
		et australior	10 28
	31 56	distans ab eadem	26 52

Congressus planetarum observati 1747.

Jan. 13 mane	2 51 54 ^b	in horario	
	52 43 ⁸	in horar. austral.	47 2
Dec. 6 vesp.	5 34 34 ⁸	immerfit totaliter	
		sub limb. obsc. γ	
		dist. a cornu bor.	23 28
		tum lunæ diam.	32 53
	6 46 2 ⁸	emerfit de sub ϵ dist.	29 24
		a cornu boreo ejusdem.	

LXIII. *Extracts of several Letters of Mor-*
dach Mackenzie, M. D. *concerning the*
Plague at Constantinople.

Dr. Clephane, F. R. S. to the Rev. Mr. Birch,
Secr. R. S.

S I R, Golden-Square, Feb. 25, 1752.

Read March 5, 1752. **B**EFORE I transcribe my friend Dr. Mackenzie's letters relating to the late plague at Constantinople, it may not perhaps be improper to mention a few particulars concerning the plague in general, as I find them scatter'd up and down his former letters to me on that subject.

In